ONE FOR ALL®

# UNIVERSAL REMOTE CONTROL

REPLACES **4** REMOTES

**TV**

**DVD**

**VCR/PVR**

**CBL/SAT**

- EASY SETUP
- DIGITAL READY*
- FAVORITE CHANNEL
- MASTER POWER KEY*

**LIMITED LIFETIME WARRANTY**

*See back for details

URC **4021**

USES 2 AAA BATTERIES (NOT INCLUDED)

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## INTRODUCTION

The One For All 4 Device Universal Remote Control (URC-4021) is designed to remotely operate up to four home entertainment devices. It also features intuitive and easy-to-use keys for instant control of DVD and PVR (or DVR) components. Moreover, its sophisticated technology will allow you to consolidate your original home entertainment remote controls into one easy-to-use product. Advanced features include:

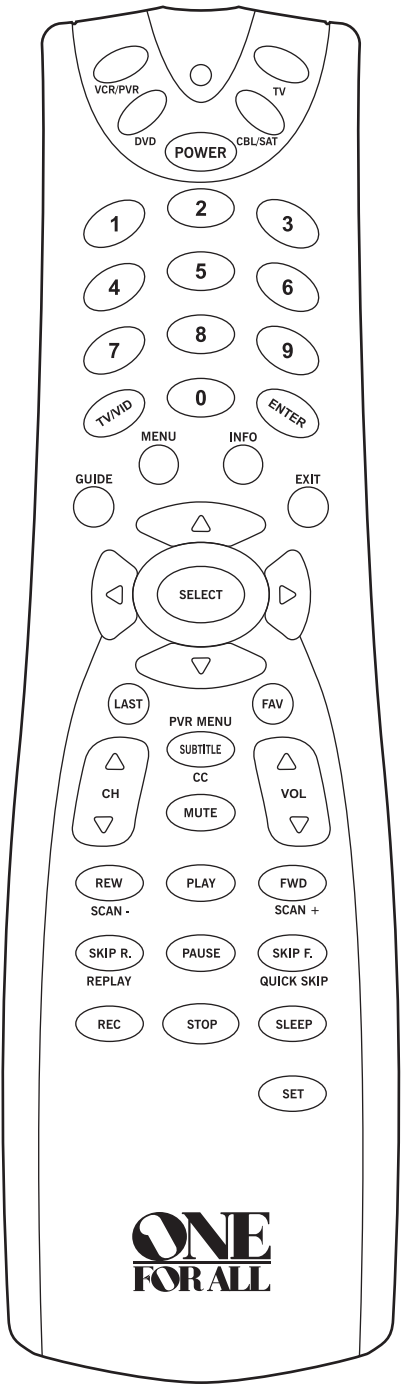
- Intuitive buttons to allow easy access to functions and menus on your DVD player, PVR (or DVR), and Cable/Satellite devices
- Direct code setup for easy device programming
- *Step-and-Set* code search and *Code Verification* for an alternate way to program devices
- *Power Macro* for master on/off control of all of your equipment with a single keystroke
- *Volume Lock/Unlock* feature to lock or unlock the volume control to one mode or individual modes
- *Device Key Re-Assignment* to remotely control a second (duplicate) device
- *Channel Scan* and *Favorite Channel Scan* for easy channel surfing
- Color-coded keys to quickly locate popular functions
- Extensive code library for popular video devices including DVD players and PVRs (or DVRs)

The URC-4021 remote control requires two (2) new AAA alkaline batteries (not included) and some easy programming to control your devices. For best results, please read and perform all instructions listed here. Also, keep this guide for future reference.

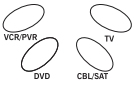
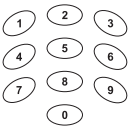
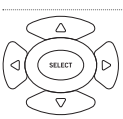
## FEATURES AND FUNCTIONS

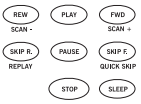
Use the illustration below to locate features on the One For All 4 Device Universal Remote Control (URC-4021) and then study the *Key Charts* (on the next two pages) to learn how they function.

To find out what type of devices can be controlled by each device key after programming, see the *Device Table* on page 6.



## Key Charts

| | |
|---|---|
| | When the **LED** (red light) blinks, the remote control is working and (after programming) is sending signals. |
|  | Press **VCR/PVR**, **DVD**, **CBL/SAT**, or **TV** once to select a desired home entertainment device to control. Also see the *Device Table* on page 6. |
| | Press **POWER** once to turn on or off the selected device. For master power control, see *Programming A Master Power Macro* on page 10. |
|  | Use the keypad (**1** ~ **9** and **0)** to directly select channels (e.g., **009** or **031**). |
| | Use **TV/VID** to switch the TV's input to view TV or video programs. |
| | Press **ENTER** once after entering the channel numbers on some TVs. |
| | Use **GUIDE** to display your selected device's program guide or setup menu. |
| | Press **MENU** once to display your selected device's main menu. |
| | Use **INFO** to display the current channel and program or on-screen directory. |
| | Use **EXIT** to exit from your selected device's guide or menu. |
|  | Use the **Cursor Keys** to move the cursor in the program guide and menu screens.<br>Use **SELECT** (OK) to choose options from your selected device's menu or guide. |
| | Press **LAST** once to recall the last channel. |
| | Use **FAV** to scan all channels, or after programming, to scan up to 10 favorite channels. |
| | Use **CH▲** (or **CH▼**) to select the next higher (or lower) channel. |
| | Press **SUBTITLE/CC** once to display (or turn off) subtitles or closed captions, if available on your DVD player or cable/satellite service.<br>For a PVR (or DVR), press **PVR MENU** once to display a list of your recorded shows. |
| | Press **MUTE** once to turn the sound off or on. |
| | Use **VOL▲** (or **VOL▼**) to raise (or lower) the sound volume. |




Use **REW**, **PLAY**, **FWD**, **PAUSE**,or **STOP** to control your VCR, PVR (or DVR), or DVD player.

For a DVD player, use **SKIP F.** or **SKIP R.** to view the next or previous chapter.

For a VCR, PVR (or DVR), or VOD (if available), use **SCAN-** or **SCAN+** to quickly scan forward or back through a video program. Use **REPLAY** for an instant replay. Use **QUICK SKIP** to advance the video program a preset amount (as set on your device).

Press REC twice to record a VCR or PVR (or DVR) program.

Use **SLEEP** to set the sleep timer on a selected device if equipped with this feature.

Use **SET** for all programming sequences.

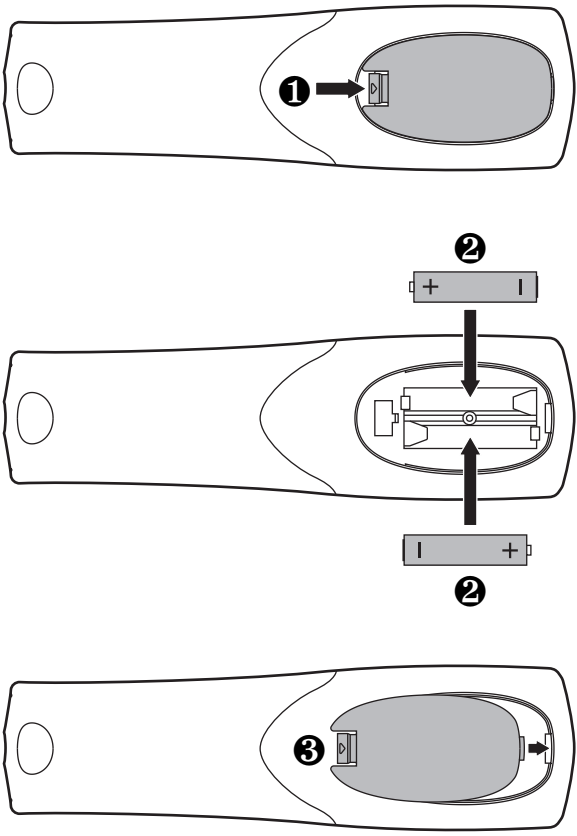
## Device Table

*NOTE: Please refer to the table below when performing the instructions in "Programming Device Control" on page 8.*

After programming, the One For All 4 Device Universal Remote Control will be able to control the following types of devices:

| DEVICE KEY | CONTROLS THESE TYPES OF DEVICES |
|---|---|
| | • DVD Player<br>• TV/DVD Player Combo<br>• VCR/DVD Player Combo |
| | • VCR<br>• TV/VCR Combo<br>• TV/VCR/DVD Player Combo<br>• VCR/DVD Player Combo<br>• PVR (or DVR) |
| | • Cable Box (or Converter)<br>• Cable Box/PVR (or DVR) Combo<br>• Satellite Receiver<br>• Satellite Reciver/PVR (or DVR) Combo |
| | • Television |

## INSTALLING BATTERIES




1. On the remote control's back, push the tab and lift off the battery cover.

2. Obtain two (2) new AAA alkaline batteries. Match the + and – marks on the batteries to the + and – marks in the battery case, then insert the new batteries.

3. Press the battery cover back into place. The tab should click when the cover is locked.

4. Test the remote control by pressing any mode key (e.g., **TV**). If the batteries are inserted correctly, the **LED** (red light) will blink.

*NOTE: When batteries need replacement, the remote control will stop operating. Remove the old batteries and insert new ones within 10 minutes to ensure all of your programming information is restored.*

***Battery Precautions:*** *Do not mix old and new batteries.• Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickelcadmium)batteries.• Always remove old, weak or worn-out batteries promptly and recycle ordispose of them in accordance with Local and National Regulations.*

## PROGRAMMING DEVICE CONTROL

The One For All 4 Device Universal Remote Control is preprogrammed at the factory to operate an RCA TV, a Toshiba DVD player, a Motorola cable box, and an RCA VCR. To control devices other than the default brands, perform the following steps; otherwise skip this section:

1. Turn on a desired device (e.g., VCR or DVD player) and, if applicable, insert media (e.g., cassette or disc).

   *NOTE: Please read steps 2 through 4 completely before proceeding. Highlight or write down the codes and device you wish to program before starting step 2.*

2. On the remote control, press a device key once (i.e., **VCR/PVR**, **DVD**, **CBL/SAT**, or **TV**).

   *NOTE: To program control of a VCR, PVR (or DVR), TV/VCR Combo, or TV/VCR/DVD Player Combo press **VCR/PVR** once. After programming a VCR Combo device, you will be able to control channel selection, volume, and VCR functions.*

   *NOTE: To program control of a DVD Player, DVD Player/VCR Combo, or TV/DVD Player Combo, press **DVD** once. After programming a DVD Combo device, you will be able to control channel selection, volume, and DVD functions.*

   *NOTE: To program control of a Cable Box, Cable Box/PVR (or DVR) Combo, Satellite Receiver, or a Satellite Receiver/PVR (or DVR) Combo, press **CBL/SAT** once.*

3. Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

4. Use the *Manufacturer's Codes* (starting on page 18) to locate the type of device and brand name and then enter the first four-digit code for your device. If performed correctly, the **LED** will blink twice.

   *NOTE: If the **LED** did not blink twice, repeat steps 2 through 4 and enter the same code again.*

5. Aim the remote control at the device and press **POWER** once. The device should turn off. If it does not, repeat steps 2 through 5, trying each code for your brand until you find one that works. If it still doesn't work, try *Searching For Your Code* on next page.

   *NOTE: If the device does not have a **POWER** key, press **PLAY**.*

6. Repeat steps 1 through 5 for each device you want to control. For future reference, write down each working device code in the following boxes:

   **VCR/PVR** Code:

   Device Type:_____

   **DVD** Code:

   Device Type:_____

   **CBL/SAT** Code:

   Device Type:_____

   **TV** Code:

   Device Type:_____

## SEARCHING FOR YOUR CODE

If your device does not respond to the remote control after trying all codes listed for your brand, or if your brand is not listed at all, try searching for your code.

*NOTE: Before performing a code search for a DVD player or a VCR, turn on the device and insert the required media.*

For example, to search for a code for your TV:

1. On the remote control, press **TV** once.

2. Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

3. Enter **9** - **9** - **1**. The **LED** will blink twice.

4.

Aim the remote control at the TV and slowly alternate between pressing **POWER** and **TV**. Stop when the TV turns off (after pressing **POWER**). If the device does not have a Power key, you can substitute another function, such as digits **0** ~ **9** , **CH**▲, or **PLAY**).

   *NOTE: In the search mode, the remote control will send IR codes from its library to the selected device, starting with the most popular code first.*

5. To lock in the code, press and release **SET**. The **LED** will blink twice.

6. To search for the codes of your other devices, repeat steps 1 through 5, but substitute the appropriate device key for the device you are searching for.

## CHECKING THE CODES

If you have set up the remote control using the *Searching For Your Code* procedure (as above), you may need to find out which four-digit code is operating your equipment. For example, to find out which code is operating your TV:

1. On the remote control, press **TV** once.

2. Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

3. Enter **9** - **9** - **0**. The **LED** will blink twice.

4. To view the code for the first digit, press **1** once. Wait 3 seconds, count the **LED** blinks (e.g., three blinks = 3) and write down the number in the leftmost box in the TV code boxes on page 8.

   *NOTE: If a code digit is "0", the LED will not blink.*

5. Repeat step 4 (on the previous page) three more times for remaining digits. Use **2** for the second digit, **3** for the third digit, and **4** for the fourth digit. Write down the code digits in the remaining TV code boxes on page 8.

6. To check for codes of other devices, repeat steps 1 through 5 (starting on the previous page), but substitute the appropriate device key for each device you are checking. Write down the device's code digits in the appropriate code boxes on page 8.

## PROGRAMMING A MASTER POWER MACRO

In its default state, the **POWER** key on the One For All 4 Device Universal Remote Control will individually power your home entertainment devices on or off. However, you can also program a *Master Power Macro* onto the **POWER** key that will sequentially turn on or off all the devices with a single key press.

### Programming The Power Key For The Master Power Macro

1. Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

2. Enter **9** - **9** - **5**. The **LED** will blink twice. Then press **POWER** once.

3. For the first device you want in the power-on sequence, press its device key (e.g., **CBL/SAT**) once.

4. Repeat step 3 up to three more times to add desired devices to the power-on sequence (e.g., **VCR/PVR**, **DVD**, and **TV**).

5. To save the settings and exit the program, press and hold **SET** until the **LED** blinks twice, then release **SET**.

### Operating The Master Power Macro

1. After programming, point the remote control at the devices and press **POWER** for at least 2 seconds to sequentially turn on (or off) your devices.

   *NOTE: When **POWER** is pressed for less than 2 seconds, a power command will only be sent to the currently-selected device. This allows you to still individually power devices on or off.*

2. Devices will turn on (or off) according to your programmed sequence.

   *NOTE: The currently-selected device will always turn on or off first, followed by the remaining programmed sequence. After the master power sequence has been completed, the remote control will be set to control the first powered-on device.*

   *NOTE: If one or more devices does not have a **POWER** key, the power off/on sequence may be slightly delayed when the remote control signals the device(s). This action is normal.*

*continued on next page...*

## PROGRAMMING A MASTER POWER MACRO (continued)

### Clearing The Master Power Macro

1. Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

2. Enter **9** - **9** - **5**. The **LED** will blink twice. Then press **POWER** once.

3. Press and hold **SET** until the **LED** blinks twice, then release **SET**. The *Master Power Macro* is now cleared.

## RE-ASSIGNING DEVICE KEYS

The One For All 4 Device Universal Remote Control can be set to control a second PVR, VCR, or DVD player. For example, to control a TV, a cable box, and *two DVD players*, re-assign the unused **VCR/PVR** key to operate the second DVD player as follows:

1. On the remote control, press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

2. Enter **9** - **9** - **2**. The **LED** will blink twice.

3. Press **DVD** once.

4. Press **VCR/PVR** once. The **LED** will blink twice. The **VCR/PVR** key is now ready to be set up to control your second DVD player. See *Programming Device Control* on page 8.

To re-assign a second VCR or PVR (or DVR) to the unused **DVD** key, repeat steps 1 through 4. However, in step 3 substitute **VCR/PVR** for **DVD**, and in step 4 substitute **DVD** for **VCR/PVR**. Now the **DVD** key will be ready to be set up as your second VCR or PVR (or DVR). See *Programming Device Control* on page 8.

*NOTE: Only one device can be assigned to an unused device key at a time.*

## USING CHANNEL SCAN

In the **CBL/SAT** or **TV** mode, use the **FAV** key to start a 3-second scan of all channels. Or, if programmed, use the **FAV** key to scan only your favorite channels to view a desired channel (see *Programming Favorite Channel Scan* on next page. )

1. Press **CBL/SAT** or **TV** once.

2. Press **FAV** once.

   - If *Favorite Channel Scan* has been set up, scanning of favorite channels will start with up to 100 channel changes or until stopped by pressing any key.
   - If *Favorite Channel Scan* has not been set up, scanning will start with the current channel, and continue up to 100 channel changes or until stopped by pressing any key.

3. To stop scanning channels at any time, press any key once.

## PROGRAMMING FAVORITE CHANNEL SCAN

In the **CBL/SAT** or **TV** mode, you can store a list of up to 10 favorite channels, in any order, that will be immediately scanned when **FAV** is pressed (see *Using Channel Scan* on the previous page).

*NOTE: Favorite channels can only be programmed for one mode. After programming, if **FAV** is pressed while in another mode, the remote control will start scanning all channels instead (if applicable to the selected device).*

1. On the remote control, press **CBL/SAT** or **TV** once.

2. Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

3. Enter **9** - **9** - **6**. The **LED** will blink twice.

4. Use the keypad to enter a favorite channel number (e.g., **031**). Then press **SET** once.

   *NOTE: If the original remote control required pressing an Enter key to change the channel, also press the **ENTER** key after the channel number (e.g., **0** - **3** - **1** - **ENTER**). On some satellite receivers and cable boxes, you may need to press the **SELECT** (OK) key instead of **ENTER**.*

5. If desired, repeat step 4 for each channel to be stored, up to a total of 10 channels.

   *NOTE: If you try entering more than 10 channels, the remote control will automatically exit programming. To change your favorite channel list at this point, you will first need to delete the existing list by performing the steps in "Clearing Custom Programming" on page 14. Then, perform the instructions in this section once again.*

6. To exit programming with less than 10 favorite channels stored, press and hold **SET** until the **LED** blinks twice. Otherwise, the remote control will automatically exit the program after 10 channels have been stored.

## CHANGING VOLUME LOCK

The One For All 4 Device Universal Remote Control is set at the factory for independent volume control of each selected device. However, you may change the Volume Lock setting to *Global Volume Lock* so that a device's volume will be locked to one mode (e.g., to control TV volume in all other modes). After that, if desired, you can perform *Individual Volume Unlock* on a selected device to set its volume control for independent operation.

### Locking Volume Control To One Mode (Global Volume Lock)

1. Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

2. Enter **9** - **9** - **3** and then press any mode key once (e.g., **TV**). The **LED** will blink twice.

3. Now, when you press **VOL▲**, **VOL▼**, or **MUTE**, the volume of the selected device (e.g., **TV**) will be controlled, regardless of the mode you have selected.

### Unlocking Volume Control For A Single Device (Individual Volume Unlock)

1. After performing *Global Volume Lock* (above), press a desired mode key where you want volume to be unlocked (e.g., **DVD**) and controlled within its own mode.

2. Press and and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

3. Enter **9** - **9** - **3** and then press **VOL▼** once. The **LED** will blink four times.

4. If desired, repeat steps 1 through 3 (of this section) for each device that you want volume to be unlocked.

5. Now, after you select a device that has volume unlocked (e.g., **DVD**), pressing **VOL▲**, **VOL▼**, or **MUTE** will control the device's volume only in its own mode.

### Unlocking All Volume Control (Restoring Default Setting)

*NOTE: Performing these instructions will restore independent volume control for all programmed devices (e.g., TV volume control in TV mode, VCR volume in VCR/PVR mode, etc.).*

1. On the remote control, press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

2. Enter **9** - **9** - **3** and then press **VOL▲** once. The **LED** will blink four times.

3. Volume will again be independently controlled according to its default states for all programmed devices.

## CLEARING CUSTOM PROGRAMMING

The One For All 4 Device Universal Remote Control contains an *Operational Feature Reset* program.
If desired, you can use it to clear custom programming, except your setup codes and reassigned device keys, and reset them to original factory settings. Also see *Restoring Factory Default Settings* as below.

***IMPORTANT: Executing this program will erase all your custom settings for Power Macro, Favorite Channels, and Volume Lock.***

1. Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

2. Enter **9** - **8** - **0**. The **LED** will blink twice. The remote control will return to normal operation.

## RESTORING FACTORY DEFAULT SETTINGS

The One For All 4 Device Universal Remote Control also contains a *Factory Reset* program that you can use to reset all custom settings and setup codes to original factory settings. Also see *Clearing Custom Programming* as above.

***IMPORTANT: Executing this program will erase all your custom settings for Power Macro, Favorite Channels, Volume Lock, Reassigned Devices, and all device settings.***

1. Press and hold **SET** until the **LED** (red light) blinks twice, then release **SET**.

2. Enter **9** - **8** - **1**. The **LED** will blink twice. The remote control will return to normal operation.

## TROUBLESHOOTING

| | |
|---|---|
| PROBLEM: | **LED** (red light) does not blink when you press a key. |
| SOLUTION: | Replace batteries with two new AAA alkaline batteries. |
| PROBLEM: | **LED** blinks when you press a key, but home entertainment device does not respond. |
| SOLUTION: | Make sure the remote control is aimed at your home entertainment device and is not farther than 15 feet away. |
| PROBLEM: | The unit does not control home entertainment devices or commands are not working properly. |
| SOLUTION: | Try all listed codes for the device brands being set up. Make sure they can be operated with an infrared remote control. |
| PROBLEM: | Changing channels does not work. |
| SOLUTION: | If original remote required pressing ENTER or SELECT to change channels, press **ENTER** or **SELECT** on this remote after entering the channel number. |
| PROBLEM: | Tried *Searching For Your Code* method and still could not find a working code. |
| SOLUTION: | Clear the device key as follows: Press and hold **SET** until the **LED** (red light) blinks twice, then release. Next enter **9** - **9** - **2**. Then press the device key to be cleared twice. Now repeat the *Searching For Your Code* method on page 9. |
| PROBLEM: | **CH▲** and **CH▼** do not work for your RCA TV. |
| SOLUTION: | Due to RCA design (1983-1987), only the original remote control will operate these functions. |
| PROBLEM: | No remote control of volume. |
| SOLUTION: | See *Changing Volume Lock* on page 13 to lock/unlock volume. |

For additional information:

- Internet: http://www.oneforall.com

## INSTRUCTIONS TO THE USER

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide a reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase separation between equipment and receiver.
- Connect equipment into an outlet or a circuit different from that to which the receiver is connected.
- Consult dealer or experienced radio/TV technician for help.

## LIMITED LIFETIME WARRANTY

Audiovox Electronics Corporation (the "Company") warrants to you the original retail purchaser of this product that should it, under normal use and conditions, be proven defective in material or workmanship during its lifetime while you own it, such defect(s) will be repaired or replaced (at the Company's option) without charge for parts and repair labor. To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to the Company at the address shown below. This Warranty does not cover product purchased, serviced or used outside the United States or Canada. This Warranty is not transferable and does not extend to costs incurred for installation, removal or reinstallation of the product. This Warranty does not apply if in the Company's opinion, the product has been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or the simultaneous use of different battery types (e.g.alkaline, standard or rechargeable).

THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

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# MANUFACTURER'S CODES [CÓDIGOS DEL FABRICANTE]

## Setup Codes for Cable Boxes [Códigos de configuración para cajas (convertidores) de cable]

| | |
|---|---|
| ABC | 0003, 0008 |
| Americast | 0899 |
| Bell South | 0899 |
| Digeo | 1187 |
| General Instrument | 0003, 0276 |
| Jerrold | 0003, 0276 |
| Memorex | 0000 |
| Motorola | 0276, 1187, 1376 |
| Pace | 0008, 1877 |
| Panasonic | 0000 |
| Paragon | 0000 |
| Pioneer | 0533, 1877 |
| Pulsar | 0000 |
| Quasar | 0000 |
| Runco | 0000 |
| Scientific Atlanta | 0008, 1877 |
| Starcom | 0003 |
| Supercable | 0276 |
| Torx | 0003 |
| Toshiba | 0000 |
| Zenith | 0000, 0899 |

## Setup Codes for Cable Box/PVR (or DVR) Combos [Códigos de configuración para equipo combinado de cable/PVR (o DVR)]

| | |
|---|---|
| Americast | 0899 |
| Digeo | 1187 |
| Motorola | 1376, 1187 |
| Pace | 1877 |
| Pioneer | 1877 |
| Scientific Atlanta | 1877 |
| Supercable | 0276 |
| Zenith | 0899 |

## Setup Codes for DVD Players [Códigos de configuración para reproductores de DVD]

| | |
|---|---|
| Akai | 0695, 0899 |
| Alco | 0790 |
| Apex Digital | 0672, 0717, 0755, 0794, 0796, 0830, 1020, 1056,1061 |
| Audiovox | 0790 |
| Blaupunkt | 0717 |
| Blue Parade | 0571 |
| Broksonic | 0695 |
| California Audio Labs | 0490 |
| Denon | 0490 |
| Diamond Vision | 1316, 1609, 1610 |
| Disney | 0675 |
| Durabrand | 1127 |
| DVD2000 | 0521 |
| Emerson | 0675, 0821, 1268 |
| Funai | 0675, 1268 |
| Gateway | 073 |
| GE | 0522, 0717 |
| Go Video | 0741, 0744, 1044, 1075 |
| GoldStar | 0741 |
| Gradiente | 0490 |
| Greenhill | 0717 |
| Grundig | 0539 |
| Hitachi | 0573 |
| Hiteker | 0672 |
| iLo | 1348, 1472 |
| Initial | 0717, 1472 |
| Insignia | 1830 |
| Integra | 0571, 0627 |
| JVC | 0558, 0623, 0867, 1164 |
| Kawasaki | 0790 |
| Kenwood | 0490 |
| KLH | 0717, 0790, 1020 |
| Lenoxx | 1127, 1938 |
| LG | 0741 |
| Magnavox | 0503, 0539, 0646, 0675, 0821, 1268 |
| Marantz | 0539 |
| Memorex | 0695 |
| Microsoft | 0522 |
| Mintek | 0717, 1472 |
| Mitsubishi | 0521, 1521 |
| NAD | 0741 |
| Nesa | 0717 |
| NexxTech | 1830 |
| Norcent | 1830 |
| Onkyo | 0503, 0627 |
| Panasonic | 0490, 0503, 0703, 1362, 1462, 1490, 1762 |
| Philips | 0503, 0539, 0646, 0675 |
| Pioneer | 0525, 0571 |
| Polaroid | 1020, 1061, 1316 |
| Polk Audio | 0539 |
| Presidian | 0675 |
| Proceed | 0672 |
| Proscan | 0522 |
| RCA | 0522, 0571, 0717, 0790, 0822, 1022, 1132 |
| Regent | 1938 |
| Rotel | 0623 |
| Samsung | 0490, 0573, 0744, 0820, 0899, 1044, 1075 |
| Sansui | 0695 |

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# MANUFACTURER'S CODES
# [CÓDIGOS DEL FABRICANTE]

## Setup Codes for DVD Players
## [Códigos de configuración para reproductores de DVD]

| | |
|---|---|
| Sanyo | 0695 |
| Sharp | 0630, 0675 |
| Shinsonic | 0533 |
| Sony | 0533, 0864, 1033, 1431 |
| Superscan | 0821 |
| Sylvania | 0675, 0821, 1268 |
| Symphonic | 0675, 1268 |
| Teac | 0790 |
| Technics | 0490, 0703 |
| Theta Digital | 0571 |
| Toshiba | 0503, 0695, 1045, 1154 |
| Urban Concepts | 0503 |
| Venturer | 0790 |
| Xbox | 0522 |
| Yamaha | 0490, 0539 |
| Zenith | 0503, 0741 |

## Setup Codes For DVD Player/VCR Combos
## [Códigos de configuración para equipo combinado de DVD/VCRs]

| | |
|---|---|
| Apex Digital | 1061 |
| Broksonic | 0695 |
| Emerson | 0675 |
| Funai | 0675 |
| Go Video | 0741, 0744, 1044, 1075 |
| GoldStar | 0741 |
| JVC | 0867, 1164 |
| LG | 0741 |
| Memorex | 0695 |
| Panasonic | 1762 |
| Philips | 0675 |
| Polaroid | 1061 |
| Presidian | 0675 |
| RCA | 0522, 0822 |
| Samsung | 0820, 1044, 1075 |
| Sansui | 0695 |
| Sharp | 0630 |
| Sony | 0864, 1033, 1431 |
| Sylvania | 0675 |
| Symphonic | 0675 |
| Toshiba | 0503 |
| Zenith | 0741 |

## Setup Codes for PVRs (or DVRs)
## [Códigos de configuración para PVR (o DVR) (Videograbadoras Personales Digitales en Disco Duro)]

| | |
|---|---|
| ABS | 1972 |
| Alienware | 1972 |
| CyberPower | 1972 |
| Dell | 1972 |
| DirecTV | 0739 |
| Gateway | 1972 |
| Hewlett Packard | 1972 |
| Howard Computers | 1972 |
| HP | 1972 |
| Hughes Network Systems | 0739 |
| Humax | 0739 |
| Hush | 1972 |
| iBUYPOWER | 1972 |
| Linksys | 1972 |
| Media Center PC | 1972 |
| Microsoft | 1972 |
| Mind | 1972 |
| Niveus Media | 1972 |
| Northgate | 1972 |
| Panasonic | 0616 |
| Philips | 0618, 0739 |
| RCA | 0880 |
| ReplayTV | 0614, 0616 |
| Samsung | 0739 |
| Sonic Blue | 0614, 0616 |
| Sony | 0636, 1972 |
| Stack 9 | 1972 |
| Systemax | 1972 |
| Tagar Systems | 1972 |
| Tivo | 0618, 0636, 0739 |
| Toshiba | 1008, 1972 |
| Touch | 1972 |
| Viewsonic | 1972 |
| Voodoo | 1972 |
| ZT Group | 1972 |

## Setup Codes for Satellite Receivers
## [Códigos de configuración para receptores de satélite]

| | |
|---|---|
| DirecTV | 1377, 0099, 0247, 0392, 0566, 0639, 0724, 0749, 0819,1076, 1108, 1142, 1392, 1442, 1609, 1639,1640, 1749, 1856 |
| Dish Network | 0775 |
| Dish Network System | 0775, 1005, 1505, 1775 |
| Dishpro | 0775, 1005, 1505, 1775 |
| Echostar | 0775, 1005, 1505, 1775 |
| Expressvu | 0775, 1775 |
| GE | 0392, 0566 |
| General Instrument | 0869 |
| GOI | 0775, 1775 |
| Hisense | 1535 |
| Hitachi | 0819 |

| | |
|---|---|
| HTS | 0775, 1775 |
| Hughes | 0749, 1442, 1749 |
| Hughes Network Systems | 0749, 1142, 1442, 1749 |
| iLo | 1535 |
| Jerrold | 0869 |
| JVC | 0775, 1775 |
| Magnavox | 0724 |
| Memorex | 0724 |
| Mitsubishi | 0749 |
| Motorola | 0856, 0869 |
| Next Level | 0869 |
| Panasonic | 0247, 0701 |
| Paysat | 0724 |
| Philips | 0099, 0724, 0749, 0819, 1076, 1142, 1442, 1749 |
| Pioneer | 1442 |
| Proscan | 0392, 0566 |
| Proton | 1535 |
| RadioShack | 0869 |
| RCA | 0392, 0566, 0855, 1392 |
| Samsung | 1108, 1142, 1276, 1377, 1442, 1609 |
| Sony | 0639, 1639, 1640 |
| Star Choice | 0869 |
| Tivo | 1142, 1442 |
| Toshiba | 0749, 0790, 0819, 1285, 1749 |
| UltimateTV | 1392, 1640 |
| Uniden | 0724 |
| US Digital | 1535 |
| USDTV | 1535 |
| Voom | 0869 |
| Zenith | 1856 |

## Setup Codes for Satellite Receiver/PVR (or DVR) Combos [Códigos de configuración para equipo combinado de receptores de satélite/PVR (o DVR)]

| | |
|---|---|
| DirecTV | 1377, 0099, 0392, 0639, 1076, 1142, 1392, 1442, 1640 |
| Dish Network System | 0775, 1505 |
| Dishpro | 0775, 1505 |
| Echostar | 0775, 1505 |
| Expressvu | 0775 |
| Hughes Network Systems | 1142, 1442 |
| Motorola | 0869 |
| Philips | 1142, 1442 |
| Proscan | 0392 |
| RCA | 1392 |
| Samsung | 1442 |
| Sony | 0639, 1640 |
| Star Choice | 0869 |

## Setup Codes for TVs [Códigos de configuración para TVs]

| | |
|---|---|
| Admiral | 0093, 0463 |
| Advent | 0761, 0783, 0815, 0817, 0842 |
| Aiko | 0092 |
| Akai | 0030, 0060, 0672, 0702, 0812 |
| America Action | 0180 |
| Anam | 0180 |
| AOC | 0030 |
| Apex Digital | 0156, 0748, 0765, 0767, 0879 |
| Audiovox | 0092, 0180, 0451 |
| Aventura | 0171 |
| Bell & Howell | 0154 |
| Bradford | 0180 |
| Broksonic | 0180, 0236, 0463 |
| Candle | 0030 |
| Carnivale | 0030 |
| Carver | 0054 |
| Celebrity | 0000 |
| Celera | 0765 |
| Changhong | 0765 |
| Citizen | 0030, 0060, 0092 |
| Clarion | 0180 |
| Commercial Solutions | 0047 |
| Contec | 0180 |
| Craig | 0180 |
| Crosley | 0054 |
| Crown | 0180 |
| Curtis Mathes | 0030, 0047, 0054, 0060, 0093, 0145, 0154, 0166, 0451, 0702 |
| CXC | 0180 |
| Daewoo | 0092, 0451, 0672, 1661 |
| Denon | 0145 |
| Diamond Vision | 1996, 1997 |
| Dumont | 0017 |
| Durabrand | 0171, 0178, 0180, 0463, 1034 |
| Dwin | 0093 |
| Electroband | 0000 |
| Electrograph | 1755 |
| Emerson | 0154, 0171, 0178, 0180, 0236, 0451, 0463, 1944, 1963 |
| Envision | 0030 |
| ESA | 0171, 0812 |
| Fisher | 0154 |
| Funai | 0171, 0180 |
| Futuretech | 0180 |
| Gateway | 1755, 1756 |
| GE | 0047, 0051, 0178, 0451 |
| Gibralter | 0017, 0030 |
| GoldStar | 0030, 0178 |
| Grunpy | 0180 |
| Haier | 1034 |
| Hallmark | 0178 |
| Harman/Kardon | 0054 |
| Harvard | 0180 |
| Havermy | 0093 |
| Hello Kitty | 0451 |
| Hisense | 0748 |
| Hitachi | 0145 |
| iLo | 1286 |

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# MANUFACTURER'S CODES
# [CÓDIGOS DEL FABRICANTE]

## Setup Codes for TVs
## [Códigos de configuración para TVs]

| | |
|---|---|
| Infinity | 0054 |
| Insignia | 1204 |
| Inteq | 0017 |
| JBL | 0054 |
| JCB | 0000 |
| Jensen | 0761, 0815, 0817 |
| JVC | 0053 |
| KEC | 0180 |
| Kenwood | 0030 |
| KLH | 0765, 0767 |
| KTV | 0030, 0180 |
| LG | 0178, 1265 |
| LXI | 0047, 0054, 0154, 0156, 0178 |
| Magnavox | 0030, 0054, 1944, 1963 |
| Marantz | 0030, 0054 |
| Matsushita | 0250 |
| Maxent | 1755 |
| Megatron | 0145, 0178 |
| Memorex | 0150, 0154, 0178, 0463 |
| MGA | 0030, 0150, 0178 |
| Midland | 0017, 0047, 0051 |
| Mitsubishi | 0093, 0150, 0178, 1250 |
| Motorola | 0093 |
| MTC | 0030, 0060 |
| Multitech | 0180 |
| NAD | 0156, 0178 |
| NEC | 0030 |
| NetTV | 1755 |
| Nikko | 0030, 0092, 0178 |
| Norcent | 0748 |
| Norwood Micro | 1286 |
| NTC | 0092 |
| Onwa | 0180 |
| Optimus | 0154, 0166, 0250 |
| Optonica | 0093 |
| Orion | 0236, 0463 |
| Panasonic | 0051, 0250 |
| Penney | 0030, 0047, 0051, 0060, 0156, 0178 |
| Philco | 0030, 0054 |
| Philips | 0054 |
| Pilot | 0030 |
| Pioneer | 0166, 0679 |
| Polaroid | 0765 |
| Portland | 0092 |
| Prima | 0761, 0783, 0815, 0817 |
| Prism | 0051 |
| Proscan | 0047 |
| Proton | 0178 |
| Pulsar | 0017 |
| Quasar | 0051, 0250 |
| RadioShack | 0030, 0047, 0154, 0178, 0180 |
| RCA | 0047, 0090, 0679 |
| Realistic | 0030, 0154, 0178, 0180 |
| Runco | 0017, 0030 |
| Sampo | 0030, 1755 |
| Samsung | 0030, 0060, 0178, 0702, 0812 |
| Sansui | 0463 |
| Sanyo | 0154 |
| Scotch | 0178 |
| Scott | 0178, 0180, 0236 |
| Sears | 0047, 0054, 0154, 0156, 0171, 0178 |
| Sharp | 0093 |
| Sheng Chia | 0093 |
| Sony | 0000 |
| Soundesign | 0178, 0180 |
| Squareview | 0171 |
| SSS | 0180 |
| Starlite | 0180 |
| Superscan | 0093 |
| Supreme | 0000 |
| SVA | 0748 |
| Sylvania | 0030, 0054, 0171, 1944, 1963 |
| Symphonic | 0171, 0180 |
| Tandy | 0093 |
| Tatung | 1286, 1756 |
| Technics | 0051, 0250 |
| Techwood | 0051 |
| Teknika | 0054, 0060, 0092, 0150, 0180 |
| Telefunken | 0702 |
| TMK | 0178 |
| TNCi | 0017 |
| Toshiba | 0060, 0154, 0156, 1265 |
| TVS | 0463 |
| US Logic | 1286 |
| Vector Research | 0030 |
| Victor | 0053 |
| Vidikron | 0054 |
| Vidtech | 0178 |
| Viewsonic | 1755 |
| Vizio | 1756 |
| Wards | 0030, 0054, 0178 |
| Waycon | 0156 |
| Westinghouse | 0000, 0451 |
| White Westinghouse | 0463 |
| Yamaha | 0030 |
| Zenith | 0017, 0092, 0178, 0463, 1265 |

## Setup Codes For TV/DVD Player Combos
## [Códigos de configuración para equipo combinado de TV/DVDs]

| | |
|---|---|
| Akai | 0695 |
| Apex Digital | 0830 |
| Broksonic | 0695 |
| Diamond Vision | 1610 |
| Emerson | 0675, 1268 |
| iLo | 1472 |

| | |
|---|---|
| Initial | 1472 |
| Magnavox | 1268 |
| Mintek | 1472 |
| Panasonic | 1490 |
| RCA | 1022 |
| Samsung | 0899 |
| Sansui | 0695 |
| Sylvania | 0675, 1268 |
| Toshiba | 0695 |

## Setup Codes For TV/VCR Combos
## [Códigos de configuración para equipo combinado de TV/VCRs]

| | |
|---|---|
| Broksonic | 1479 |
| Citizen | 1278 |
| Colt | 0072 |
| Daewoo | 1278 |
| Emerson | 0593, 1278, 1479 |
| Funai | 0000 |
| GE | 0240, 0807 |
| GoldStar | 1237 |
| Harley Davidson | 0000 |
| Hitachi | 0000 |
| Lloyd's | 0000 |
| Magnasonic | 0593, 1278 |
| Magnavox | 0000, 0593 |
| Magnin | 0240 |
| Memorex | 0162, 1237 |
| MGA | 0240 |
| Mitsubishi | 0807 |
| Optimus | 0162, 0593 |
| Orion | 1479 |
| Panasonic | 0162 |
| Penney | 0240, 1237 |
| Quasar | 0162 |
| RadioShack | 0000 |
| RCA | 0240, 0807 |
| Samsung | 1014 |
| Sansui | 0000, 1479 |
| Sanyo | 0240 |
| Sears | 0000, 1237 |
| Sony | 0000, 1232 |
| Symphonic | 0000, 0593 |
| Thomas | 0000 |
| Toshiba | 0845, 1145 |
| Zenith | 0000, 1479 0000, 1479, 0479 |

## Setup Codes For TV/VCR/DVD Player Combos
## [Códigos de configuración para equipo combinado de TV/VCR/DVD]

| | |
|---|---|
| Akai | 0899 |
| Diamond Vision | 1609 |
| Emerson | 0821 |
| Magnavox | 0821 |
| Panasonic | 1362, 1462 |
| RCA | 1132 |
| Sharp | 0630 |
| Superscan | 0821 |
| Sylvania | 0821 |
| Toshiba | 1045 |

## Setup Codes For VCRs
## [Códigos de configuración para VCRs]

| | |
|---|---|
| ABS | 1972 |
| Admiral | 0048, 0209 |
| Adventura | 0000 |
| Aiwa | 0000, 0037 |
| Alienware | 1972 |
| American High | 0035 |
| Asha | 0240 |
| Audiovox | 0037 |
| Beaumark | 0240 |
| Bell & Howell | 0104 |
| Broksonic | 0121, 0184, 0209, 1479 |
| Calix | 0037 |
| Canon | 0035 |
| Carver | 0081 |
| CCE | 0072 |
| Citizen | 0037, 1278 |
| Colt | 0072 |
| Craig | 0037, 0047, 0072, 0240 |
| Curtis Mathes | 0035, 0060, 0162 |
| Cybernex | 0240 |
| CyberPower | 1972 |
| Daewoo | 0045, 1278 |
| Dell | 1972 |
| Denon | 0042 |
| DirecTV | 0739 |
| Durabrand | 0039 |
| Dynatech | 0000 |
| Electrohome | 0037, 0043 |
| Electrophonic | 0037 |
| Emerex | 0032 |
| Emerson | 0000, 0037, 0043, 0121, 0184, 0209, 0593, 1278, 1479, 1593 |
| Fisher | 0047, 0104 |
| Fuji | 0035 |
| Funai | 0000, 0593, 1593 |
| Garrard | 0000 |
| Gateway | 1972 |
| GE | 0035, 0060, 0240, 0807 |
| Go Video | 0240 |
| GoldStar | 0037, 1237 |
| Gradiente | 0000 |
| Harley Davidson | 0000 |
| Harman/Kardon | 0081 |
| Harwood | 0072 |
| Hewlett Packard | 1972 |
| HI-Q | 0047 |

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# MANUFACTURER'S CODES [CÓDIGOS DEL FABRICANTE]

## Setup Codes For VCRs, continued [Códigos de configuración para VCRs, continuación]

| | |
|---|---|
| Hitachi | 0000, 0042 |
| Howard Computers | 1972 |
| HP | 1972 |
| Hughes Network Systems | 0042, 0739 |
| Humax | 0739 |
| Hush | 1972 |
| iBUYPOWER | 1972 |
| JVC | 0067 |
| KEC | 0037 |
| Kenwood | 0067 |
| KLH | 0072 |
| Kodak | 0035, 0037 |
| Linksys | 1972 |
| Lloyd's | 0000 |
| Logik | 0072 |
| LXI | 0037 |
| Magnasonic | 0593, 1278 |
| Magnavox | 0000, 0035, 0039, 0081, 0593 |
| Magnin | 0240 |
| Marantz | 0035, 0081 |
| Marta | 0037 |
| Matsushita | 0035, 0162 |
| Media Center PC | 1972 |
| MEI | 0035 |
| Memorex | 0000, 0035, 0037, 0039, 0047, 0048, 0104, 0162, 0209, 0240, 1237 |
| MGA | 0043, 0240 |
| MGN Technology | 0240 |
| Microsoft | 1972 |
| Mind | 1972 |
| Minolta | 0042 |
| Mitsubishi | 0043, 0067, 0807 |
| Motorola | 0035, 0048 |
| MTC | 0000, 0240 |
| Multitech | 0000, 0072 |
| NEC | 0067, 0104 |
| Nikko | 0037 |
| Niveus Media | 1972 |
| Noblex | 0240 |
| Northgate | 1972 |
| Olympus | 0035 |
| Optimus | 0037, 0048, 0104, 0162, 0593, 1062 |
| Orion | 0184, 0209, 1479 |
| Panasonic | 0035, 0162, 0616, 1062 |
| Penney | 0035, 0037, 0042, 0240, 1237 |
| Pentax | 0042 |
| Philco | 0035 |
| Philips | 0035, 0081, 0618, 0739 |
| Pilot | 0037 |
| Pioneer | 0067 |
| Polk Audio | 0081 |
| Presidian | 1593 |
| Profitronic | 0240 |
| Proscan | 0060 |
| Protec | 0072 |
| Pulsar | 0039 |
| Quasar | 0035, 0162 |
| RadioShack | 0000 |
| Radix | 0037 |
| Randex | 0037 |
| RCA | 0042, 0060, 0240, 0807, 0880 |
| Realistic | 0000, 0035, 0037, 0047, 0048, 0104 |
| ReplayTV | 0614, 0616 |
| Ricavision | 1972 |
| Runco | 0039 |
| Samsung | 0045, 0240, 0739, 1014 |
| Sanky | 0039, 0048 |
| Sansui | 0000, 0067, 0209, 1479 |
| Sanyo | 0047, 0104, 0240 |
| Scott | 0043, 0045, 0121, 0184 |
| Sears | 0000, 0035, 0037, 0042, 0047, 0104, 1237 |
| Sharp | 0048, 0807 |
| Shintom | 0072 |
| Shogun | 0240 |
| Singer | 0072 |
| Sonic Blue | 0614, 0616 |
| Sony | 0000, 0032, 0035, 0636, 1232, 1972 |
| Stack 9 | 1972 |
| STS | 0042 |
| Sylvania | 0000, 0035, 0043, 0081, 0593, 1593 |
| Symphonic | 0000, 0593, 1593 |
| Systemax | 1972 |
| Tagar Systems | 1972 |
| Teac | 0000 |
| Technics | 0035, 0162 |
| Teknika | 0000, 0035, 0037 |
| Thomas | 0000 |
| Tivo | 0618, 0636, 0739 |
| TMK | 0240 |
| Toshiba | 0043, 0045, 0209, 0845, 1008, 1145, 1972, 1503 |
| Totevision | 0037, 0240 |
| Touch | 1972 |
| Unitech | 0240 |
| Vector | 0045 |
| Video Concepts | 0045 |
| Videomagic | 0037 |
| Videosonic | 0240 |
| Viewsonic | 1972 |
| Villain | 0000 |
| Voodoo | 1972 |
| Wards | 0000, 0035, 0042, 0047, 0048, 0060, 0072, 0081, 0240 |
| White Westinghouse | 0072, 0209 |
| XR-1000 | 0000, 0035, 0072 |
| Zenith | 0000, 0039, 0209, 1479 |
| ZT Group | 1972 |